

Notice of Allowability

Application No.

10/765,283

Examiner

Man Phan

Applicant(s)

HE ET AL.

Art Unit

2619

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to communications filed 10/05/2007.
2. ☒ The allowed claim(s) is/are 1-11.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 9/24/07, 10/22/07
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Reasons for allowance

1. This communication is in response to applicant's 10/05/2007 amendment in the application of He et al. for the "System and method of accessing and transmitting different data frames in a digital transmission network" filed 01/28/2004 has been examined. This application claims foreign priority based on the application 03 1 03092.0 filed January 28, 2003 in China. The proposed amendment has been entered and made of record. Claims 1-10 have been amended t, and claim 11 has been added. The claims have been amended to better point out and more distinctly claim subject matter comprising the invention.

2. Claims 1-11 are allowable as evident by applicant's amendment.

3. The following is an examiner's statement of reasons for allowance: The prior art of record fails to disclose or suggest a system accessing and transmitting different data frames in a digital transmission network for accessing and transmitting different data frames, comprising: at least one subscriber network interface, which is used to couple with a subscriber's network; and/or at least one inter-network interface, which is used to couple with the digital transmission network to transfer data frames; and a data converting device, which is coupled with the at least one subscriber network interface interfaces and the at least one inter-network interface interfaces to convert formats of the data frames between the at least one subscriber network interface interfaces, formats of the data frames between the at least one inter-network interface interfaces, or formats of the data frames between the at least one inter-network interface interfaces and the at

least one subscriber network interface; wherein the data converting device comprises a virtual private device, an interface device and a processing device, the virtual private device exchanges exchanging data frames between the at least one subscriber network interface interfaces and the at least one inter-network interface interfaces via the interface device, and the virtual private device comprises an inter-device interface, coupled with the processing device and adapted for inputting and outputting data frames; a virtual private processing unit, which couples coupled with the inter-device interface and adapted for detecting control messages and converging or diverging the data frames other than the control messages; a rule database, coupled with the virtual private processing unit, and adapted for storing rules corresponding to the data frames, according to which the data frames are processed; and a control interface unit, coupled with] the rule database and the virtual private processing unit and adapted for controlling the virtual private processing unit and the rule database, as specifically recited in the claims.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Man U. Phan whose telephone number is (571) 272-3149. The examiner can normally be reached Monday through Friday from 6:00 am to 3:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jay Patel, can be reached on (571) 272-2988. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571) 272-2600.

6. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have any questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at toll free 1-866-217-9197.

Mphan.

Dec. 28, 2007

A handwritten signature in black ink, appearing to read 'Man U. Phan', written in a cursive style.

MAN U. PHAN
PRIMARY EXAMINER